

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2011; month=1; day=20; hr=16; min=21; sec=33; ms=563;]

=====

Application No: 10586080

Version No: 2.0

Input Set:

Output Set:

Started: 2011-01-10 17:21:13.762

Finished: 2011-01-10 17:21:15.298

Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 536 ms

Total Warnings: 33

Total Errors: 0

No. of SeqIDs Defined: 34

Actual SeqID Count: 34

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2011-01-10 17:21:13.762
Finished: 2011-01-10 17:21:15.298
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 536 ms
Total Warnings: 33
Total Errors: 0
No. of SeqIDs Defined: 34
Actual SeqID Count: 34

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Ark Therapeutics Limited
 Ahlroth, Mervi
 Schenkwein, Diana
 Airene, Kari Juhani
 Yla-Herttuala, Seppo
 Laitinen, Olli

<120> Integrase Fusion Proteins and Their Use with Integrating Gene
 Therapy

<130> GJE.7664

<140> 10586080

<141> 2011-01-10

<150> PCT/GB2005/000115

<151> 2005-01-14

<150> GB0400814.0

<151> 2004-01-14

<160> 34

<170> PatentIn version 3.3

<210> 1

<211> 31

<212> DNA

<213> Artificial

<220>

<223> Primer

<400> 1

ccttaattaa atgttttttag atggaataga t

31

<210> 2

<211> 26

<212> DNA

<213> Artificial

<220>

<223> Primer

<400> 2

gctctagaat cctcatcctg tctact

26

<210> 3

<211> 41

<212> DNA

<213> Artificial

<220>
 <223> Primer

<400> 3
 tatggcctct caggccatta ttaatcctca tcctgtctac t 41

<210> 4
 <211> 31
 <212> DNA
 <213> Artificial

<220>
 <223> Primer

<400> 4
 attcaccact agtgctccaa aaaaaaagcg c 31

<210> 5
 <211> 41
 <212> DNA
 <213> Artificial

<220>
 <223> Primer

<400> 5
 tatggcctct caggccatta ttataccaca aagtgactgc c 41

<210> 6
 <211> 36
 <212> DNA
 <213> Artificial

<220>
 <223> Primer

<400> 6
 ggggaccact ttgtacaaga aagctggggtt atggcc 36

<210> 7
 <211> 34
 <212> DNA
 <213> Artificial

<220>
 <223> Primer

<400> 7
 tctcaggcca ttattatacc acaaagtgac tgcc 34

<210> 8
 <211> 36

<212> DNA
 <213> Artificial

 <220>
 <223> Primer

 <400> 8
 ggggaccact ttgtacaaga aagctgggta ttatta 36

 <210> 9
 <211> 18
 <212> DNA
 <213> Artificial

 <220>
 <223> Primer

 <400> 9
 atcctcatcc tgtctact 18

 <210> 10
 <211> 31
 <212> DNA
 <213> Artificial

 <220>
 <223> Primer

 <400> 10
 gggacaagtt tgtacaaaaa agcaggctat g 31

 <210> 11
 <211> 54
 <212> DNA
 <213> Artificial

 <220>
 <223> Primer

 <400> 11
 catcaccatc accatcacct ggtgccgcgc ggcagctttt tagatggaat agat 54

 <210> 12
 <211> 18
 <212> DNA
 <213> Artificial

 <220>
 <223> Primer

 <400> 12
 ggggaaagaa tagtagac 18

<210> 13
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 13
gccacacaat catcacctgc c

21

<210> 14
<211> 19
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 14
attaaccctc actaaaggg

19

<210> 15
<211> 19
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 15
aatacgactc actataggg

19

<210> 16
<211> 22
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 16
caatcaaagg agatatacca cg

22

<210> 17
<211> 20
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 17
tcgacctgca ggcgcgccga 20

<210> 18
<211> 15
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 18
ctctcttaag gtagc 15

<210> 19
<211> 15
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 19
gctaccttaa gagag 15

<210> 20
<211> 33
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 20
ctagtagtac tgctagagat tttccacagc atg 33

<210> 21
<211> 25
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 21
ctgtggaaaa tctctagcag tacta 25

<210> 22
<211> 29
<212> DNA
<213> Artificial

<220>
 <223> Primer

 <400> 22
 cagtgaatta gcccttccag tactggtac 29

 <210> 23
 <211> 29
 <212> DNA
 <213> Artificial

 <220>
 <223> Primer

 <400> 23
 cagtactgga agggctaatt cactgcatg 29

 <210> 24
 <211> 27
 <212> DNA
 <213> Artificial

 <220>
 <223> HIV-1 donor DNA substrate

 <400> 24
 gtactggaag ggctaattca ctgcatg 27

 <210> 25
 <211> 27
 <212> DNA
 <213> Artificial

 <220>
 <223> HIV-1 donor DNA substrate

 <400> 25
 catgaccttc ccgattaagt gacgtac 27

 <210> 26
 <211> 27
 <212> DNA
 <213> Artificial

 <220>
 <223> HIV-1 donor DNA substrate

 <400> 26
 catgctgtgg aaaatctcta gcagtac 27

 <210> 27
 <211> 27

<212> DNA
 <213> Artificial

 <220>
 <223> HIV-1 donor DNA substrate

 <400> 27
 gtacgacacc ttttagagat cgtcattg 27

 <210> 28
 <211> 180
 <212> DNA
 <213> Artificial

 <220>
 <223> Plasmid

 <220>
 <221> misc_feature
 <222> (153)..(153)
 <223> n is a, c, g, or t

 <400> 28
 cccttttcta ttagaaccgg ataacatcaa cggcaaaacg tgcacagcaa gcgcgctatg 60

 tcataatact cgatgccaca atcccttgca cttgtgctgg gagtcactag acgacaacaa 120

 aggcagaaac tgggtgcccg gtcccaacgg ggnatgtgtc catgcggtgg tttgtttaag 180

 <210> 29
 <211> 180
 <212> DNA
 <213> Physarum polycephalum

 <400> 29
 cccttttcta ttagaaccgg ataacatcaa cggcaaaacc tgcacagcat cgcacctatg 60

 tcataatact cgatgccaca atcccttgca cttgtgctgg gagtcactag acgacaacaa 120

 aggcagaaac tgggtgcccg gtcccaacgg gggatgtgtc catgcggtgg tttgtttaag 180

 <210> 30
 <211> 180
 <212> DNA
 <213> Artificial

 <220>
 <223> Plasmid

 <220>
 <221> misc_feature
 <222> (55)..(55)

<223> n is a, c, g, or t

<400> 30

cccttttcta ttagaaccgg ataacatcaa cggcaaaacc tgcacagcat cggcnctatg 60

tcataatact cgatgccaca atcccttgca cttgtgctgg gagtcactag acgacaacaa 120

aggcagtttg accagcccgg gtcccaacgg gggatgtgtc catgcggtgg tttgtttaag 180

<210> 31

<211> 29

<212> DNA

<213> Artificial

<220>

<223> 5'LTR

<400> 31

cagtactgga agggctaatt cactgcatg 29

<210> 32

<211> 29

<212> DNA

<213> Artificial

<220>

<223> 5'LTR

<400> 32

catggtcatg accttcccga ttaagtgac 29

<210> 33

<211> 25

<212> DNA

<213> Artificial

<220>

<223> 3'LTR

<400> 33

ctgtggaaaa tctctagcag tacta 25

<210> 34

<211> 33

<212> DNA

<213> Artificial

<220>

<223> 3'LTR

<400> 34

gtacgacacc ttttagagat cgtcatgatg atc 33

